Hello Year 3,

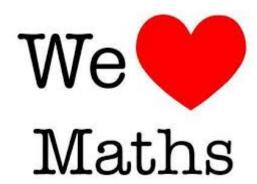
Your Maths activities this week are based on **shape**. Look at pages 10 – 55 for this week's work ⊚.

On page 3 you will find a Times Table Rockstars practise sheet. Time yourself – how quickly can you answer the questions? There is also another times table board game on page 4 – maybe you could have a go at creating your own © or drawing a game in the garden using chalk. Have a look at Harry's and Amelia's wonderful Maths work on page 2 ©

On pages 5 – 9, you will find some key skills questions. Try and answer one of these per day.

I know you will do brilliantly with your Maths work this week because you are all brilliant ©.

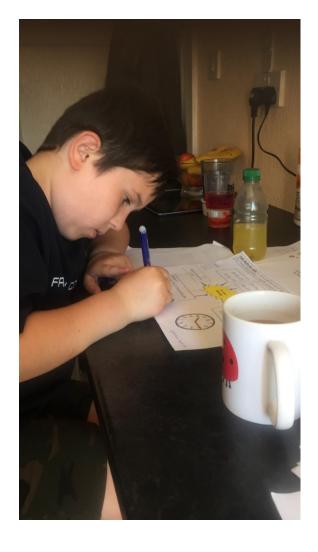
Enjoy, Miss Robertson







Well done to
Amelia – you have
worked really hard
on your measuring
©



Well done to Harry – you are working so hard on your key skills sheets ©





Week 5 Session 5 Name: 8 2020-21 Times Tables 3s 4s and 8s **Times Tables** Rock Stars 5 a week Licensed to St Joseph's Catholic Primary School, Stourbridge 21 $16 \div 8 =$ 8 × 12 = $8 \times 4 =$ Time taken 2 22 42 $16 \div 8 =$ $8 \times 5 =$ $8 \times 3 =$ 23 8 x 12 = $8 \times 6 =$ $16 \div 8 =$ 3 minute time limit 24 $8 \times 5 =$ 8 × 12 = $8 \div 8 =$ Score 25 8 × 10 = $8 \times 4 =$ 56 ÷ 8 = 26 60 $8 \times 7 =$ $8 \times 9 =$ $32 \div 8 =$ 27 $8 \times 6 =$ $8 \times 7 =$ 96 ÷ 8 = Add up your time Mins 28 $8 \times 6 =$ $16 \div 8 =$ S1 29 52 _____ $8 \times 7 =$ 8 × 11 = $56 \div 8 =$ 53 ____ 10 8 × 1 = 30 50 8 × 11 = $80 \div 8 =$ 54 S5 11 31 51 $8 \times 2 =$ $88 \div 8 =$ $80 \div 8 =$ Total 12 32 52 $8 \times 2 =$ 96 ÷ 8 = 88 ÷ 8 = Secs 51 13 33 53 8 x 6 = $24 \div 8 =$ $8 \div 8 =$ S2 14 34 54 S3 _____ $8 \times 7 =$ 16 ÷ 8 = $24 \div 8 =$ S4 15 55 35 $8 \times 8 =$ $80 \div 8 =$ $96 \div 8 =$ S5 Total 8 × 11 = 36 $40 \div 8 =$ 88 ÷ 8 = Add up your score 17 37 57 56 ÷ 8 = $40 \div 8 =$ 51 _____ 52 18 38 58 $8 \times 2 =$ 72 ÷ 8 = 56 ÷ 8 = 39 $16 \div 8 =$ $72 \div 8 =$

60

 $8 \div 8 =$

Total

8 × 12 =

40

 $48 \div 8 =$



4 times table Multiplication And Division Board Game

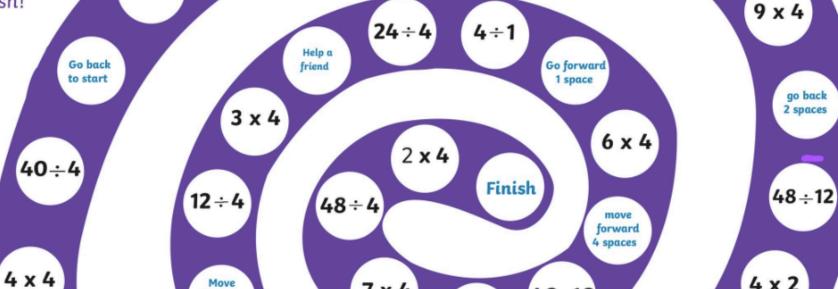
Roll the dice and work out the multiplication or division you land on. The winner is the first 4 x 5 to finish!

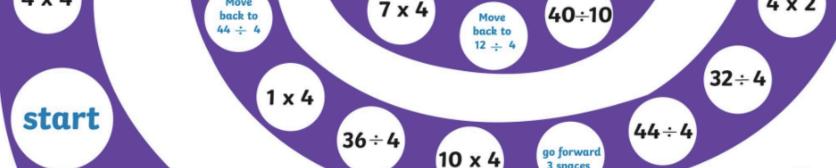




Move

3 spaces





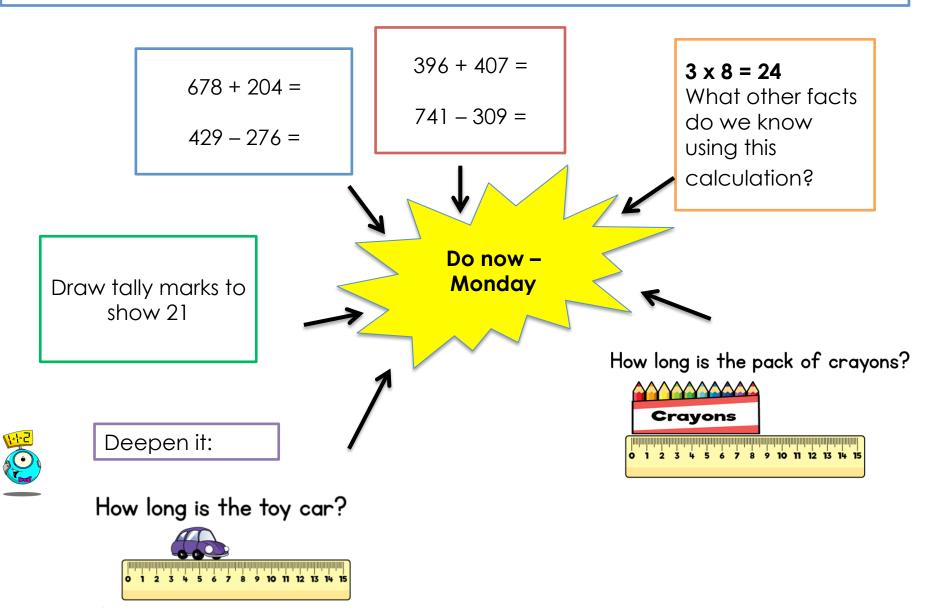
7 x 4

Move

back to

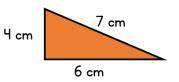


4 x 2



What is the value of the underlined digit?

227 + 674= 871 - 428 = What is the perimeter of the shape?



You have the digit cards 3, 7, 1

What numbers can you make?
You must only use each

card once

Do now – Tuesday

Draw a line that is 12 cm long.

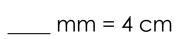
What is that in mm?



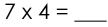
Deepen it:

Look at the numbers you have made using 3, 7, 1

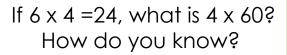
Write them in order from smallest to largest
Write the numbers in words



$$321 + 274 =$$



$$4 \times 4 =$$







Deepen it:



A door is 2 m and 28 cm tall.

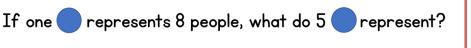
How tall is it in cm?

What is the perimeter of the rectangle?

7 cm

3 cm





Finish this fact family:

$$8 \times 3 = 24$$

$$33 \div 3 =$$

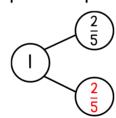
Name a 4 sided 2D shape that has 4 right angles



Deepen it:
What mistake has
been made in this
answer?

Do now – Thursday

Complete the part-whole model.



What is largest an acute angle, a right angle or an obtuse angle?

What is the total value of the coins?



















$$6 \times 3 = 10 +$$

$$4 \times 2 = 10 -$$

$$4 \times 3 = Half of$$

How many vertical lines does the envelope have?



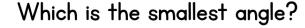
Do now – Friday

How many right angles in this triangle?



Deepen it:
Look at the coins on this
page.
Could Miss Pobortson

Could Miss Robertson afford to buy a drink that cost £3? Would she get any change?









Maths Week commencing 29th June



This week, I would like you to look at the White Rose Home Learning videos for Summer Week 10 (W/C 29th June). This week we will be looking at shapes (lessons 1 -3). There is also a lesson on telling the time to the nearest 5 minutes (lesson 4).

On the following pages I have selected the questions that I would like you to complete. There will also be some challenges. Give these a try if you like. If you find them tricky, please don't worry ©



Finally, I have included some 'extra help'/ guidance for lessons 1-4 on pages 39-55, have a go at these tasks if you are finding the White Rose tasks a little tricky. These tasks don't have to be completed but are just there if you need them/ are a very keen Mathematician and love doing Maths \odot .

There are also lots of activities on Education City which will help you with shape and time ©

Lesson 1

Draw accurately

https://vimeo.com/432264831 - Link for today's video © Copy and paste to your browser if it doesn't work.

- 1. Watch the video clip for today's teaching
- 2. Complete the questions on the next few pages
- Also, have a look at BBC Bitesize Daily activities for extra learning if you like:

https://www.bbc.co.uk/bitesize/dailylessons

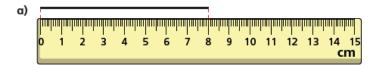




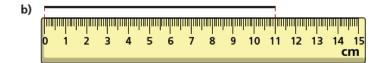
Draw accurately



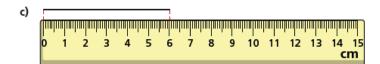
How long is each line?



cm



cm



cm

Draw two lines that are each 5 cm long.





Dani says the line is 10 cm long.

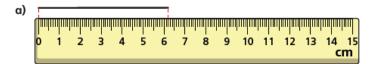
and the															
"	որուդ		դապաս	hudun		luuluu	1111 1111	րարու		1111/1111	իսաիա	liiiliii	111 1111	իսաիաւ	""
0	- 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														C	m

a) What mistake has Dani made?

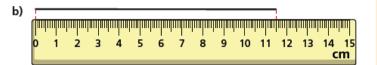
b) How long is the line?



What is the length of each line in millimetres?



mm



mm

c) _____

mm

© White Rose Maths 2020

TOP TIPS

Remember there are 10 mm in 1cm



Challenges:



Remember there are 10 mm in 1cm

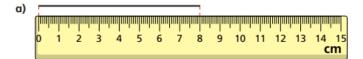
Use a ruler to draw the lines. a) Draw a line 8 cm long.		b) Measure the length of the diagonal. Give your answer in millimetres. mm
b) Draw a line 80 mm long.	J ٦	7 Draw a rectangle 8 cm long and 32 mm wide.
What do you notice about the lines you have drawn? Why is this?	J	
Use a ruler to help you answer the questions.	_	a) Make a sketch of the triangle. 4 cm 3 cm
a) Draw a 4 cm by 4 cm square.		
		b) Use your drawing to work out the perimeter of the triangle.



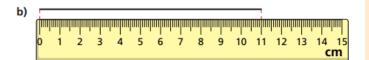
Draw accurately



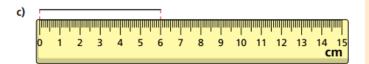
How long is each line?



g cm



ll cm



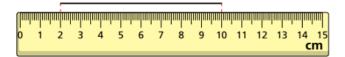
6 cm

Draw two lines that are each 5 cm long.





Dani says the line is 10 cm long.



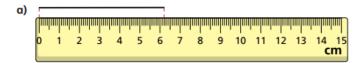
a) What mistake has Dani made?



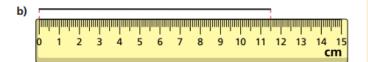
b) How long is the line?



What is the length of each line in millimetres?



62 mm



115 mm

c) _____

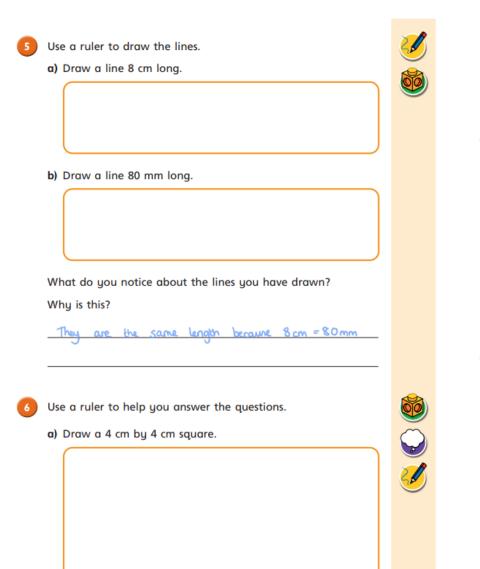
Answers will vary



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	b) Measure the length of the diagonal.	
	Give your answer in millimetres.	
	57 mm	1
7	Draw a rectangle 8 cm long and 32 mm wide.	
		١
		l
		l
		l
		l
		l
		J
	a) Make a shoot of the triangle	
8	a) Make a sketch of the triangle. 4 cm	
		l
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	l
		l
		l

b) Use your drawing to work out the perimeter of

cm

the triangle.

Lesson 2

Recognise and describe 2D shapes.

https://vimeo.com/432264925 - Link for today's video © Copy and paste to your browser if it doesn't work.

- Watch the video clip for today's teaching
- 2. Complete the questions on the next few pages
- 3. Also, have a look at BBC Bitesize Daily activities for extra learning if you like:

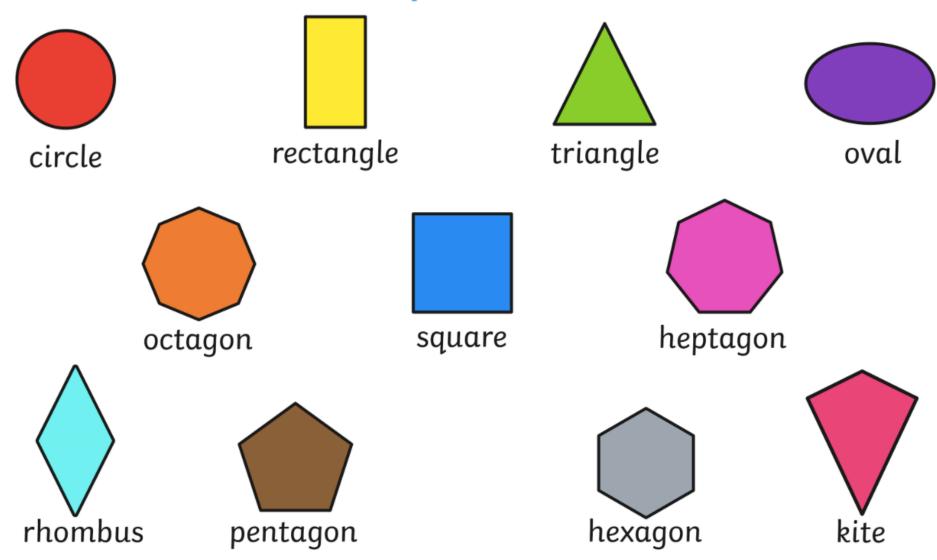
https://www.bbc.co.uk/bitesize/dailylessons





Revise the names of these 2D shapes © Look carefully at how many sides each shape has

2D Shape Word Mat



Recognise and describe 2D shapes



Match the shapes to the labels.



square



pentagon



triangle



hexagon

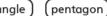
Use the words to label the shapes.

rectangle

hexagon



(triangle



a)



c)



b)



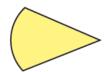
d)



Dora and Ron each have a shape.



My shape has three sides, so it is a triangle.



Why is Dora incorrect?

b)





Why might Ron think that? Talk to a partner.

What is the mathematical name for Ron's shape?

- Here are some shapes.
 - a) Circle all the quadrilaterals.















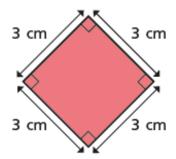
Challenges:

c) Is this shape a square?

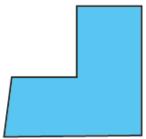
Circle your answer.

yes

no



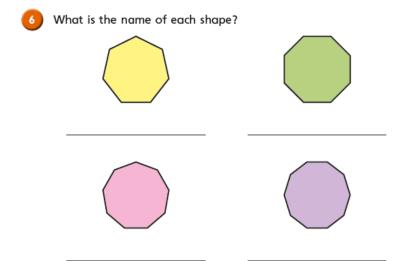
This shape is a hexagon.



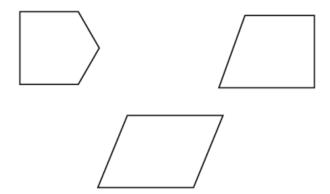
Why is it a hexagon?



Challenges:



Draw on the shapes to show the parallel sides.

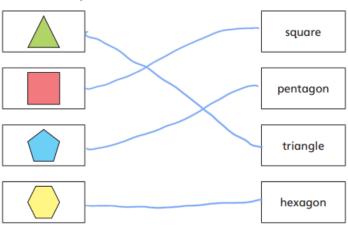


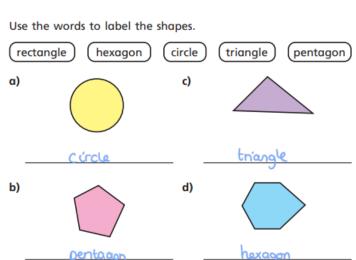


Recognise and describe 2D shapes

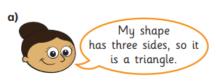
Rose Maths

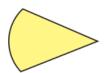
Match the shapes to the labels.





Dora and Ron each have a shape.

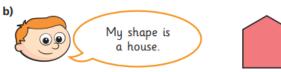




Why is Dora incorrect?

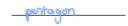
A triangle has three straight sides. This shape

has two straight sides and one curved,



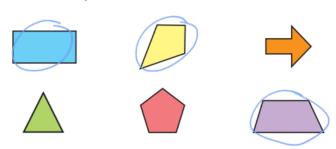
Why might Ron think that? Talk to a partner.

What is the mathematical name for Ron's shape?



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- Here are some shapes.
 - a) Circle all the quadrilaterals.





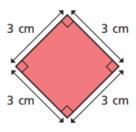


c) Is this shape a square?

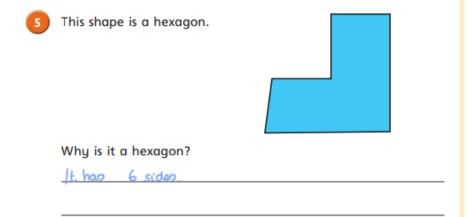
Circle your answer.



no



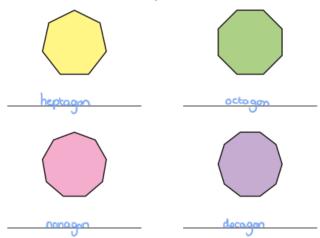
All 4 sides are the same length







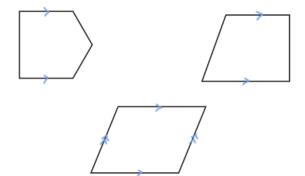
What is the name of each shape?



How do you know? Talk about it with a partner.

7 Each shape has at least one pair of parallel sides.

Draw on the shapes to show the parallel sides.



Lesson 3

Recognise and describe 3D shapes

https://vimeo.com/432265088 - Link for today's video © Copy and paste to your browser if it doesn't work.

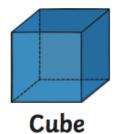
- 1. Watch the video clip for today's teaching
- 2. Complete the questions on the next few pages
- 3. Also, have a look at BBC Bitesize Daily activities for extra learning if you like:

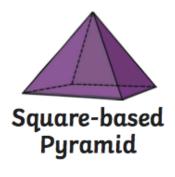
https://www.bbc.co.uk/bitesize/dailylessons

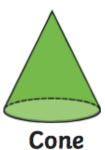




Properties of 3D Shapes





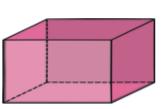








Cylinder



Rectangular Prism

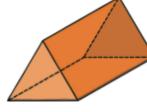




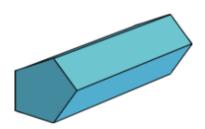




Octahedron



Triangular Prism

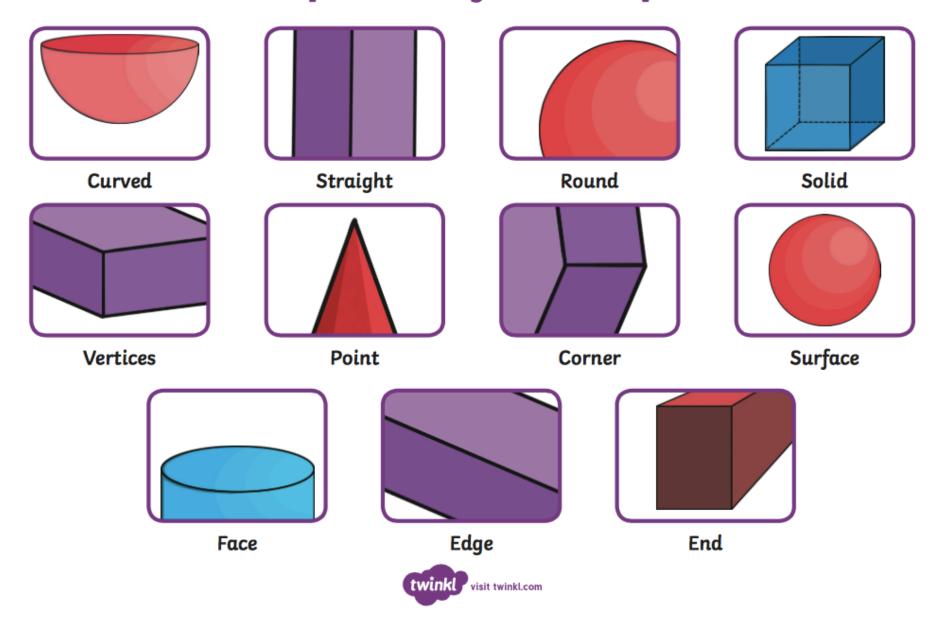


Tetrahedron

Pentagonal Prism



Properties of 3D Shapes



Recognise and describe 3D shapes



Kim paints the faces of some 3D shapes.
She stamps the faces on to a sheet of paper.
Match the stamp to the 3D shape.





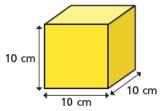








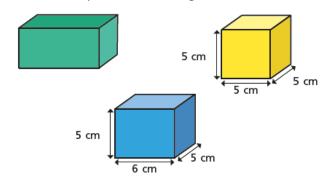
A cube is a special type of cuboid.



What is special about each face of a cube? Talk about it with a partner.



Which of the shapes is a cube? Tick your answer.



Here is a cuboid.

3 cm

7 cm
What do you notice about the opposite faces of a cuboid?

Match the 3D shapes to the labels.







square-based pyramid

cylinder

cone

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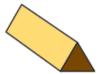


Challenges:

- 6 Here are some shapes.
 - a) Circle all the triangular prisms.







b) Circle all the spheres.









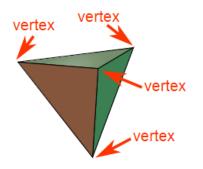
Challenges:



Vertices/ vertex = A point where two edges meet

Complete the table.

Shape	Number of edges	Number of faces	Number of vertices





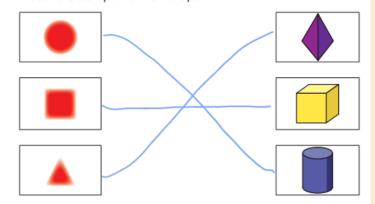
To help you with this activity, have a look for these 3D shapes in your house. If you don't have them, you could try a cylinder (glue stick/ pringles tube) or a cuboid (cardboard box) instead.



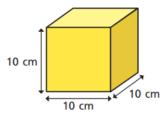
Recognise and describe 3D shapes



Kim paints the faces of some 3D shapes.
She stamps the faces on to a sheet of paper.
Match the stamp to the 3D shape.



2 A cube is a special type of cuboid.

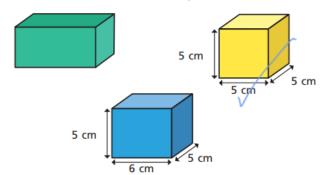


What is special about each face of a cube?

All the faces are square



Which of the shapes is a cube? Tick your answer.



Here is a cuboid.

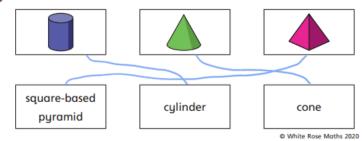
3 cm

5 cm

What do you notice about the opposite faces of a cuboid?

They are identical

Match the 3D shapes to the labels.





- 6 Here are some shapes.
 - a) Circle all the triangular prisms.







b) Circle all the spheres.







7 Complete the table.

Shape	Number of edges	Number of faces	Number of vertices
	12	6	8
	6	Ļ	4
	9	5	6

Lesson 4

Telling the time to the nearest 5 minutes

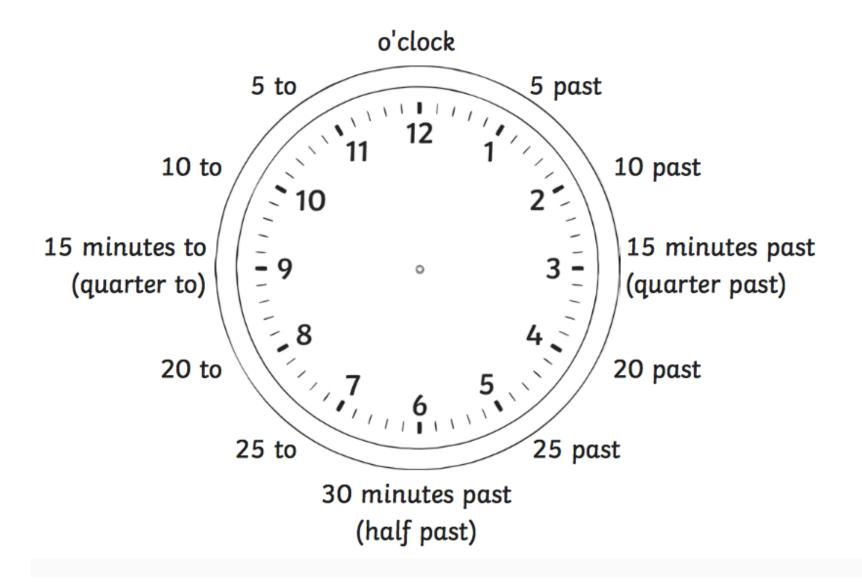
https://vimeo.com/432265268 - Link for today's video © Copy and paste it into your browser if it doesn't work.

- 1. Watch the video clip for today's teaching
- 2. Complete the questions on the next few pages
- Also, have a look at BBC Bitesize Daily activities for extra learning if you like:

https://www.bbc.co.uk/bitesize/dailylessons





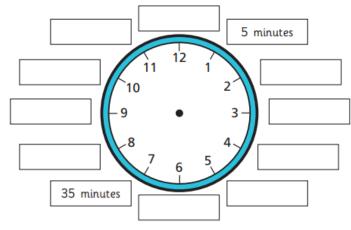


Use this to help you with telling the time

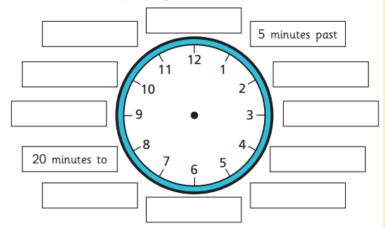
Telling the time to 5 minutes



Label the clock to show the number of minutes past the hour.



2 Label the clock to show what time would be shown if the minute hand was pointing to each interval.



Is there more than one possible answer for each label?



TOP TIPS

The hour hand is pointing just after 5 and the minute hand is pointing to 2, so the time is 2 minutes past 5



What mistake has Ron made?

What time is it? _____

What time is shown on each clock?

a)	11 12
	9 2 3
	7 6 5

minutes past	
--------------	--



minutes past



d)



© White Rose Maths 2020

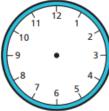
Remember: The minute hand is the long hand. The hour hand is the short hand.



Challenges:

Draw the hands on the clocks to show the correct times.

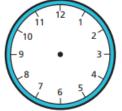
a)



15 minutes past 6

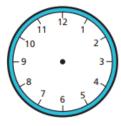
c)

d)

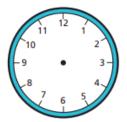


25 minutes to 9

b)



15 minutes to 9



5 minutes to 12

The minute hand and the hour hand of a clock are both pointing to an even number.

It is before midday. What times could it be? Give three possible answers.



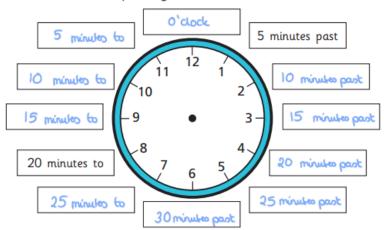
Telling the time to 5 minutes



Label the clock to show the number of minutes past the hour.



2 Label the clock to show what time would be shown if the minute hand was pointing to each interval.



Is there more than one possible answer for each label?





The hour hand is pointing just after 5 and the minute hand is pointing to 2, so the time is 2 minutes past 5



What mistake has Ron made?

The minute hand pointing to 2 means it is 10

minutes pask not 2 minutes past.

What time is it? 10 minutes pask 5

What time is shown on each clock?



20 minutes past 4

20 minutes past



d)

c)



20 minutes to

5

10 minutes to 10

ANSWERS

Draw the hands on the clocks to show the correct times.

a)



c)



15 minutes past 6

25 minutes to 9

b)



d)



15 minutes to 9

5 minutes to 12

7 The minute hand and the hour hand of a clock are both pointing to an even number.

It is before midday. What times could it be? Give three possible answers.

e.a. 6 o'clock 8 o'clock 10 o'clock

Lesson 5

Happy Friday ©

Can you complete the Friday Maths challenge?

https://whiterosemaths.com/homelearning/year-3/
Try questions 1 - 4



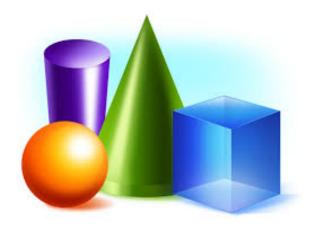




Useful videos to help you with shape: Please copy them into your browser if they don't work ©

https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zcsjqty https://www.bbc.co.uk/bitesize/topics/zjv39j6

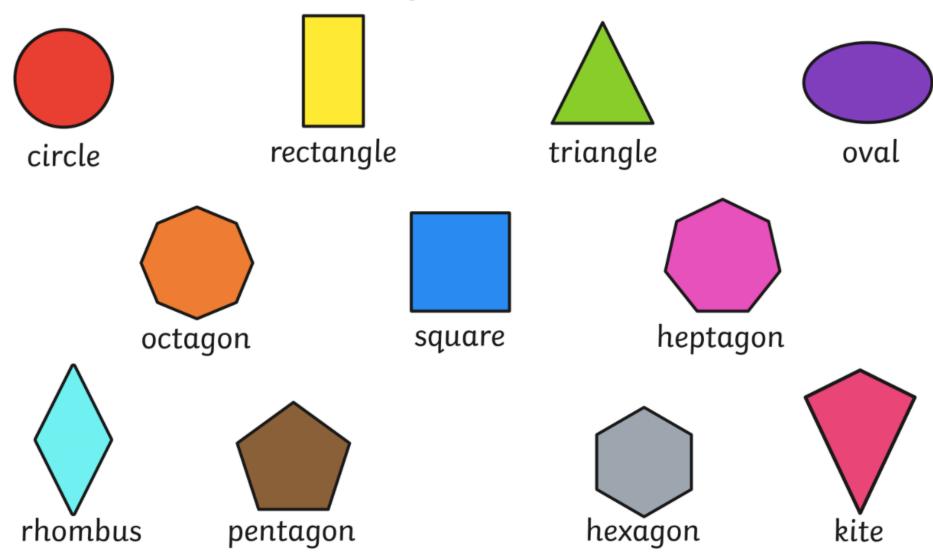
Have a look at the activities on Education City for some more help.





Revise the names of these 2D shapes © Look carefully at how many sides each shape has

2D Shape Word Mat





2D Shape hunt

Create a tally of the shapes you see.

Can you see any pentagons?

Can you see any octagons?

Can you see any hexagons?

What was the most common shape?

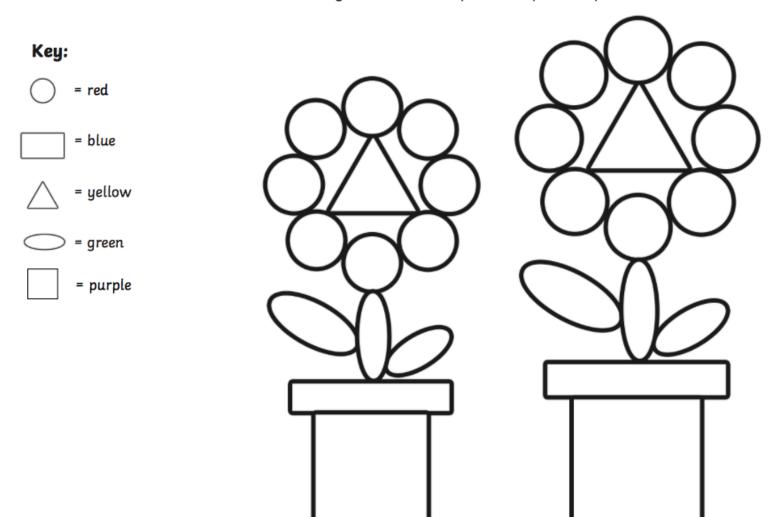




I have lots of rectangles in my house.

2D Shape Colouring

Can you colour the shapes to complete the picture?



What are the names of the shapes?
You might like to design your own 2D shape colouring activity for someone to solve

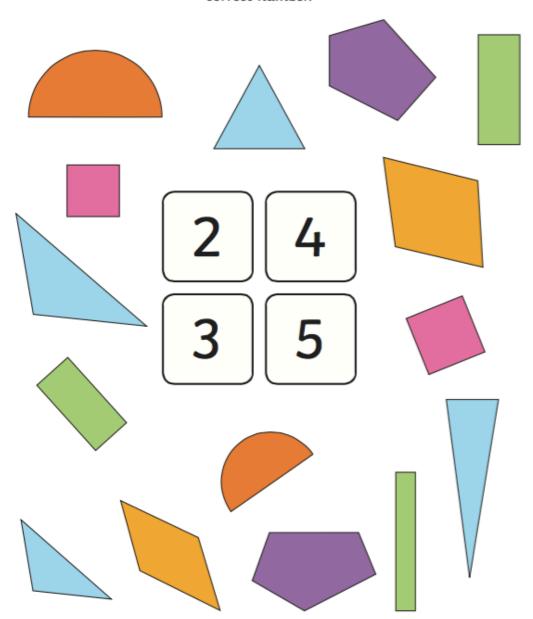
2D Shape Properties Table

Look carefully at the properties of these 2D shapes. Write your results in the table.

2D Shape	Total Number of Sides	Number of Straight Sides	Number of Curved Sides	Number of Vertices

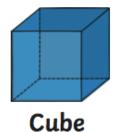
2D Shapes: Sides

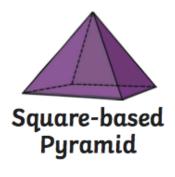
Count all the sides on the shape and then draw a line connecting it to the correct number.



Challenge: Can you name each shape?

Properties of 3D Shapes



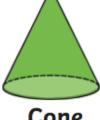




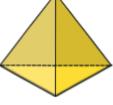




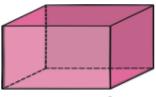
Cylinder







Tetrahedron



Rectangular Prism



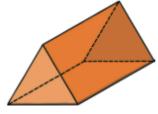
Hexagonal Prism



Octahedron



Octagonal Prism



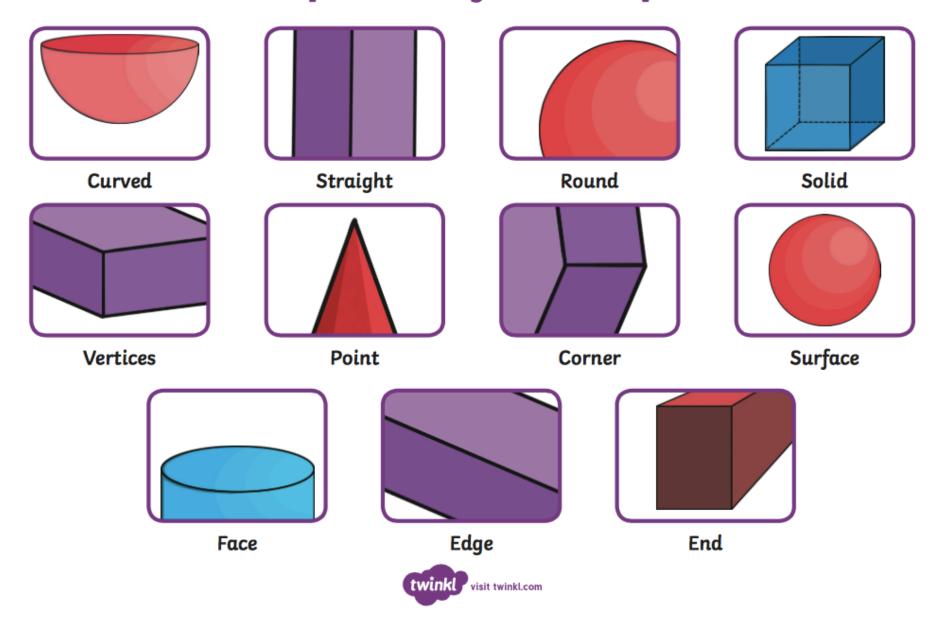
Triangular Prism



Pentagonal Prism



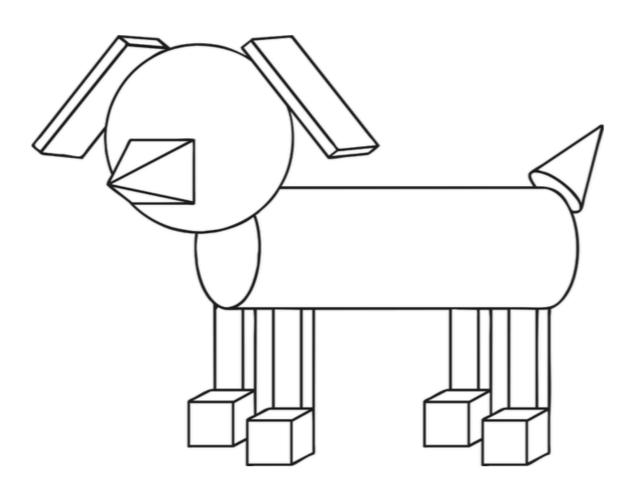
Properties of 3D Shapes



3D Shape Colouring

Use the key to colour in the 3D shapes correctly.

Key			
Shape	Name	Colour	
		blue	
		yellow	
		purple	
		green	
		orange	
		red	





3D Shape hunt

Create a tally of the shapes you see.

Can you see any cylinders?

Can you see any cuboids?

Can you see any cubes?

What was the most common shape?



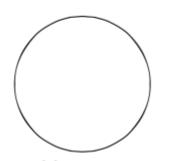




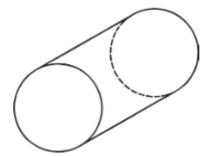
I have lots of cylinders in my house because I love candles.

Have a look for each of these shapes in your house. See if you can complete this sheet. The answers are on the next slide if you get stuck on any

Name the 3D Shape



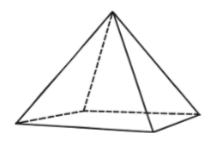
Number of edges:____



Shape of faces: _____ Shape of faces: ____ Shape of faces: ____ Shape of faces: ____

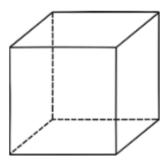
Number of edges: _____

Name: Name:



Number of edges:____

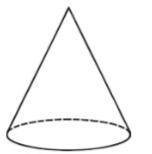
Name:



Number of vertices: _____ Number of vertices: _____ Number of vertices: _____ Number of vertices: _____

Number of edges:_____

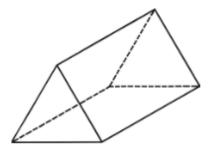
Name:



Shape of faces: _____ Shape of faces: _____ Shape of faces: _____

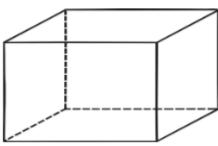
Number of edges:____

Name:



Number of edges:____

Name:



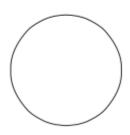
Number of vertices: _____ Number of vertices: _____ Number of vertices: _____

Number of edges:_____

Name:



Name the 3D Shape **Answers**

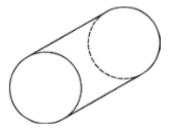


Shape of faces: circular Number of vertices: 0 Number of edges: 0 Name: sphere



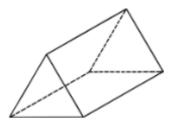
Shape of faces: **cicular** Number of vertices: **0** Number of edges: **1**

Name: cone



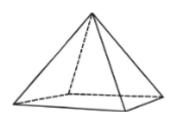
Shape of faces: circular and rectangle

Number of vertices: **0** Number of edges: **2** Name: **cylinder**



Shape of faces: triangular and rectangular
Number of vertices: 6
Number of edges: 9

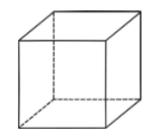
Name: triangular prism



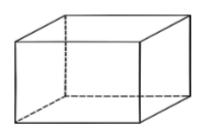
Shape of faces: triangular and rectangular

Number of vertices: **5** Number of edges: **8**

Name: rectangular pyramid



Shape of faces: square Number of vertices: 8 Number of edges: 12 Name: cube



Shape of faces: rectangular
Number of vertices: 8

Number of edges: 12

Name: cuboid



Useful videos to help you with time: Please copy them into your browser if they don't work ©

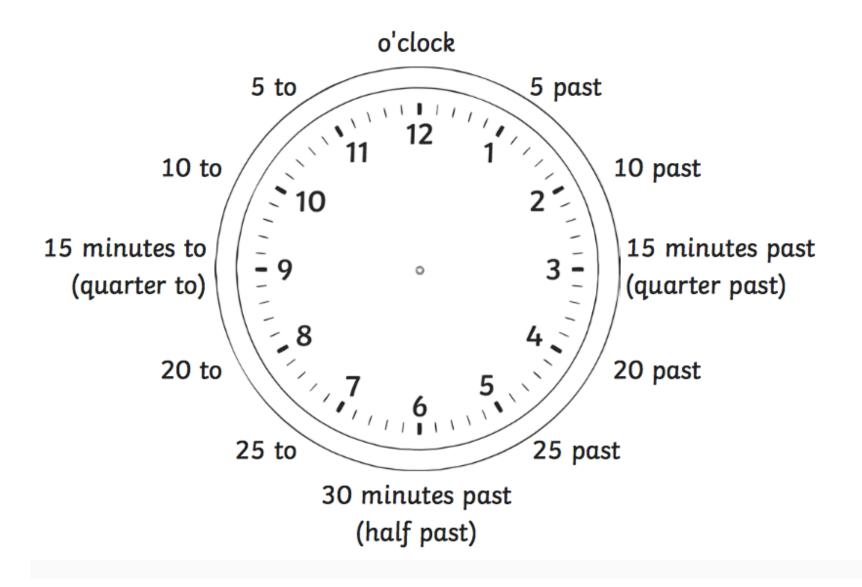
https://www.youtube.com/watch?v=QJkYONqIYQM

https://www.bbc.co.uk/bitesize/topics/zkfycdm/resources/1

Have a look at the activities on Education City for some more help.







Use this to help you with telling the time

End Start Miss a turn Miss a turn Miss a turn Miss a turn Miss a turn

Telling the Time Board Game

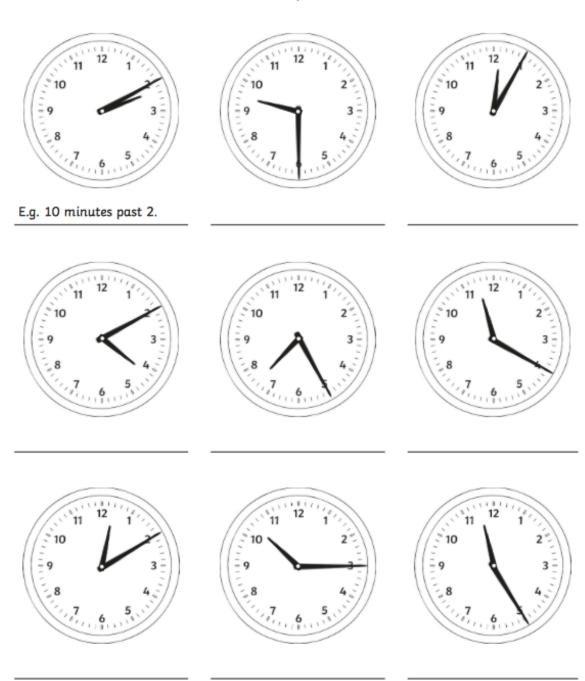
What time is it?

Roll a dice, move and read aloud the time shown on the clock. The first player to complete the board wins!

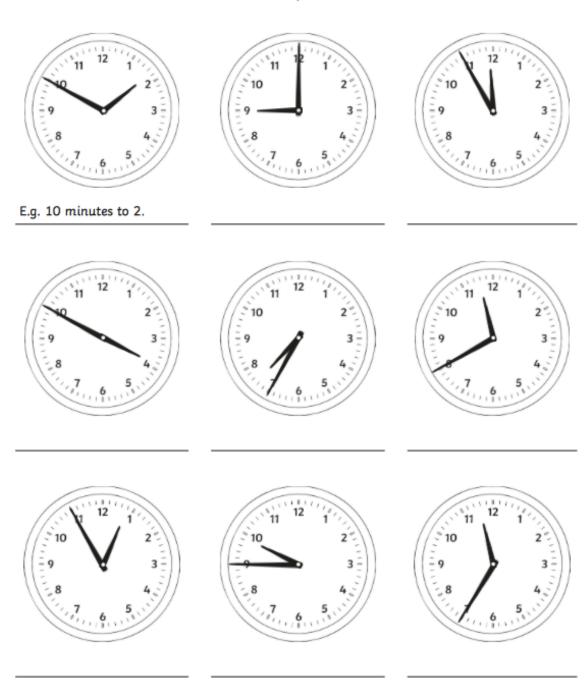




Underneath each clock, write the time shown.



Underneath each clock, write the time shown.







You are all superstars © Thank you for working so hard, Year 3.



Send in any photos of the work you do to:

info@st-jo-st.dudley.sch.uk

I would love to see what you get up to.